

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	"orthomorphism.clm"	US-PGPUB; USPAT	OR	ON	2007/01/04 10:27
L2	3	orthomorphism.clm.	US-PGPUB; USPAT	OR	ON	2007/01/04 10:27
S1	0	maximal with nonlinear with block with substitution with table	USPAT	OR	ON	2003/10/28 16:40
S2	0	nonlinear with block with substitution with table	USPAT	OR	ON	2003/10/28 16:40
S3	0	nonlinear same (block with substitution with table)	USPAT	OR	ON	2003/10/28 16:41
S4	0	block with substitution with table and "6035042".urpn.	USPAT	OR	ON	2003/10/28 16:41
S5	0	"6035042".urpn.	USPAT	OR	ON	2003/10/28 16:41
S6	1	"6035042".pn.	USPAT	OR	ON	2003/10/28 16:41
S7	0	"6035042".URPN.	USPAT	OR	OFF	2003/10/28 16:41
S8	87	block with substitution with table	USPAT	OR	ON	2003/10/29 10:11
S9	84	block with substitution with table not mittenthal.in.	USPAT	OR	ON	2003/10/28 16:42
S10	7	block with substitution with table AND nonlinear	USPAT	OR	ON	2003/10/29 10:14
S11	3	substitution with table with nonlinear	USPAT	OR	ON	2003/10/29 10:15
S12	1	"6201869".URPN.	USPAT	OR	OFF	2003/10/29 10:17
S13	1	"6201869".URPN.	USPAT	OR	OFF	2003/10/29 10:18
S14	0	substitution adj table	USPAT	OR	ON	2004/04/30 10:29
S15	523	substitution adj table	USPAT	OR	ON	2004/04/30 10:29
S16	4	substitution adj table with nonlinear\$3	USPAT	OR	ON	2004/04/30 10:39
S17	0	creat\$3 with substitution adj table same nonlinear\$3 with standard	USPAT	OR	ON	2004/04/30 10:40
S18	0	creat\$3 with substitution adj table and nonlinear\$3 with standard	USPAT	OR	ON	2004/04/30 11:01
S19	13	creat\$3 with substitution adj table	USPAT	OR	ON	2004/04/30 11:01
S20	0	orthmorph\$4 and encryption	USPAT	OR	ON	2004/05/02 19:47
S21	0	orthmorph\$4 and cryptography6	USPAT	OR	ON	2004/05/02 19:47
S22	0	orthmorph\$4 and cryptography	USPAT	OR	ON	2004/05/02 19:47
S23	0	orthmorph\$4 and encrypt\$3	USPAT	OR	ON	2004/05/02 19:47
S24	3	orthmorph\$4 and encrypt\$3	USPAT	OR	ON	2004/05/03 07:52

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S25	3	orthomorph\$4 and substitution with table	USPAT	OR	ON	2004/05/03 07:52
S26	9	("4195200"   "4322577"   "4520232"   "4685132"   "4797921"   "4932056"   "5038376"   "5214704"   "5245658").PN.	USPAT	OR	OFF	2004/05/03 08:23
S27	13	"5214704".URPN.	USPAT	OR	OFF	2004/05/03 08:24
S28	3	((substitution with table) or "s-box") same orthomorph\$4	USPAT	OR	ON	2004/11/30 17:55
S29	0	((substitution with table) or "s-box") and orthomorph\$4 not S28	USPAT	OR	ON	2004/11/30 17:56
S30	0	((substitution with table) or "s-box" or "s-boxes") and orthomorph\$4 not S28	USPAT	OR	ON	2004/11/30 17:56
S31	1	"6182216".pn.	USPAT	OR	ON	2004/11/30 17:59
S32	4	("5038376" "5214704" "5317639" "5647001").pn.	USPAT	OR	OFF	2004/11/30 18:02
S33	3	bar with sinister	USPAT	OR	OFF	2004/11/30 18:03
S34	3	maxim\$7 with non\$linear\$3 with ((subsitution near table) s-box)	US-PGPUB; USPAT	OR	ON	2005/05/11 15:59
S35	4	maxim\$7 with non\$linear\$3 same ((subsitution near table) s-box)	US-PGPUB; USPAT	OR	ON	2005/05/11 15:39
S36	1	maxim\$7 with non\$linear\$3 same ((subsitution near table) s-box) not S34	US-PGPUB; USPAT	OR	ON	2005/05/11 15:39
S37	11	(US-5038376-\$ or US-5214704-\$ or US-5317639-\$ or US-5647001-\$ or US-6182216-\$ or US-6201869-\$ or US-6243470-\$ or US-6246768-\$ or US-6304657-\$ or US-6415030-\$ or US-6570989-\$).did.	USPAT	OR	OFF	2005/05/11 15:40
S38	7	S37 and maxim\$7	US-PGPUB; USPAT	OR	OFF	2005/05/11 15:40
S39	3	maxim\$7 with non\$linear\$3 and S37	US-PGPUB; USPAT	OR	ON	2005/05/11 15:43
S40	1	maxim\$7 and "5317639".pn.	US-PGPUB; USPAT	OR	ON	2005/05/11 15:43
S41	16	maxim\$7 with ((subsitution near table) s-box)	US-PGPUB; USPAT	OR	ON	2005/05/11 15:46
S42	13	maxim\$7 with ((subsitution near table) s-box) not S35	US-PGPUB; USPAT	OR	ON	2005/05/11 15:59
S43	41	maxim\$7 with ((subsitution near table) s\$box)	US-PGPUB; USPAT	OR	ON	2005/05/11 15:59
S44	1	maxim\$7 with non\$linear\$3 with ((subsitution near table) s\$box)	US-PGPUB; USPAT	OR	ON	2005/05/11 15:59

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S45	1	maxim\$7 with non\$linear\$3 with ((substitution near (box table)) s\$box)	US-PGPUB; USPAT	OR	ON	2005/05/11 16:09
S46	0	optimiz\$7 with non\$linear\$3 with ((substitution near (box table)) s\$box)	US-PGPUB; USPAT	OR	ON	2005/05/11 16:10
S47	3	optimiz\$7 with ((substitution near (box table)) s\$box) same non\$linear\$3	US-PGPUB; USPAT	OR	ON	2005/05/11 16:12
S48	0	(maximiz\$7 optimiz\$7) with non\$linear\$3 with ((substitution near (box table)) s\$box)	US-PGPUB; USPAT	OR	ON	2005/05/11 16:13
S49	13	(maximiz\$7 optimiz\$7) with non\$linear\$3 with (DES)	US-PGPUB; USPAT	OR	ON	2005/05/11 16:14
S50	4	(maximiz\$7 optimiz\$7) with non\$linear\$3 with encrypt\$3	US-PGPUB; USPAT	OR	ON	2005/05/11 16:15
S51	9	(maximiz\$7 optimiz\$7) with non\$linear\$3 with substitut\$3	US-PGPUB; USPAT	OR	ON	2005/05/11 16:18
S52	33	(maximiz\$7 optimiz\$7) with non\$linear\$3 with table	US-PGPUB; USPAT	OR	ON	2005/05/11 16:18
S53	1	(maximiz\$7 optimiz\$7) with non\$linear\$3 with (table box) and encrypt\$3	US-PGPUB; USPAT	OR	ON	2005/05/11 16:53
S54	0	(maximiz\$7 optimiz\$7) with non\$linear\$3 with (table box) and encrypt\$3	DERWENT	OR	ON	2005/05/11 17:24
S55	7	mittenthal.in.	DERWENT	OR	ON	2005/05/11 16:53
S56	0	(maximiz\$7 optimiz\$7) with non\$linear\$3 with (block) and encrypt\$3	DERWENT	OR	ON	2005/05/11 17:24
S57	0	(maximiz\$7 optimiz\$7) with non\$linear\$3 with (cipher) and encrypt\$3	DERWENT	OR	ON	2005/05/11 17:24
S58	56	(maximiz\$7 optimiz\$7) with non\$linear\$3 with (block)	US-PGPUB; USPAT	OR	ON	2005/05/11 17:25
S59	0	(maximiz\$7 optimiz\$7) with non\$linear\$3 with block with table	US-PGPUB; USPAT	OR	ON	2005/05/11 17:25
S60	0	(maximiz\$7 optimiz\$7) with non\$linear\$3 with block with (table box)	US-PGPUB; USPAT	OR	ON	2005/05/11 17:25
S61	8	(maximiz\$7 optimiz\$7) with non\$linear\$3 with block with (cipher encrypt\$3)	US-PGPUB; USPAT	OR	ON	2005/05/11 17:25
S62	109	(creat\$3 generat\$3 forumlat\$3 calculat\$3) near (s\$box substitution near table)	US-PGPUB; USPAT	OR	ON	2007/01/03 17:36

## EAST Search History

S63	9	("4004283"   "4584640"   "5008935"   "5724428"   "6088800"   "6389534"   "6549622"   "6694430"   "6873707").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/03 16:50
S64	12	("5778074").URPN.	USPAT	OR	OFF	2007/01/03 17:07
S65	21	(creat\$3 generat\$3 forumlat\$3 calculat\$3) near (permutation near table)	US-PGPUB; USPAT	OR	ON	2007/01/03 17:11
S66	1	(s\$box (substitution permutation) near table) same linear\$2 near independent near set	US-PGPUB; USPAT	OR	ON	2007/01/03 18:11
S67	93	380/263.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/03 17:41
S69	12	("5778074").URPN.	USPAT	OR	OFF	2007/01/03 17:52
S70	11	("4195196"   "4431865"   "4531020"   "4751733"   "4803725"   "4897876"   "5003596"   "5214704"   "5237611"   "5365589"   "5412729").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/03 18:07
S71	25	("4751733").URPN.	USPAT	OR	OFF	2007/01/03 18:08
S72	3	(s\$box (substitution permutation) near table) and non\$linear with orthomorphism	US-PGPUB; USPAT	OR	ON	2007/01/04 10:27